

0011



**CONSOL ENERGY.**

C/015/015

Incoming

Consolidation Coal Company

P.O. Box 566

Sesser, IL 62884

(618) 625-2041

OK

Task ID #2931

February 25, 2008

Pamela Grubaugh-Littig  
Utah Division of Oil, Gas and Mining  
Coal Program  
1594 West North Temple, Suite 1210  
Box 145801  
Salt Lake City, Utah 84114-5801

Re: Emery Deep Mine Permit C/015/015  
MRP insignificant revision to fence and storage area additional info (N.O.V. 10018, task id #2894)


Dear Mrs. Grubaugh-Littig:

Per the Divisions 1/28/08 deficiency letter please consider this a submittal to address those deficiencies.

Enclosed please find 2 copies including an executed C1 form, C2 form, revised pages and revised Plate II-3 (4<sup>th</sup> East Portal surface Facilities). A copy has been forwarded to your price field office. A cd with the submittal in pfd format is enclosed. Attached also find the Division deficiencies reproduced with responses.

If you have any questions concerning this request, please call me at (618) 625-6850.

Sincerely,

  
John Gefferth  
Environmental Engineer

CC: Karl Houskeeper – DOGM-Price Field Office-with attachments  
Attachments

JAG/jag emery4theast.fence.addinfo.doc

RECEIVED

FEB 25 2008

DIV. OF OIL, GAS & MINING

File in:

C/015/015 2008, Incoming

Refer to:

☐ Confidential

☐ Shelf

☒ Expandable

Date 022508 or additional information

# APPLICATION FOR COAL PERMIT PROCESSING

Permit Change ☒ New Permit ☐ Renewal ☐ Exploration ☐ Bond Release ☐ Transfer ☐

**Permittee:** Consolidation Coal Company

**Mine:** Emery Mine

**Permit Number:** 015/015

**Title:** 4<sup>th</sup> East storage area fence

2/08

**Description,** Include reason for application and timing required to implement:

4<sup>th</sup> East storage area fence NOV 10018 additional info

**Instructions:** If you answer yes to any of the first eight (gray) questions, this application may require Public Notice publication.

- |                                                                     |                                                                                                                                                   |
|---------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 1. Change in the size of the Permit Area? Acres: _____ Disturbed Area: _____ <input type="checkbox"/> increase <input type="checkbox"/> decrease. |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 2. Is the application submitted as a result of a Division Order? DO# _____                                                                        |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 3. Does the application include operations outside a previously identified Cumulative Hydrologic Impact Area?                                     |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 4. Does the application include operations in hydrologic basins other than as currently approved?                                                 |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 5. Does the application result from cancellation, reduction or increase of insurance or reclamation bond?                                         |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 6. Does the application require or include public notice publication?                                                                             |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 7. Does the application require or include ownership, control, right-of-entry, or compliance information?                                         |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 8. Is proposed activity within 100 feet of a public road or cemetery or 300 feet of an occupied dwelling?                                         |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 9. Is the application submitted as a result of a Violation? NOV # _____                                                                           |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 10. Is the application submitted as a result of other laws or regulations or policies?                                                            |
| <i>Explain:</i> _____                                               |                                                                                                                                                   |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 11. Does the application affect the surface landowner or change the post mining land use?                                                         |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 12. Does the application require or include underground design or mine sequence and timing? (Modification of R2P2)                                |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 13. Does the application require or include collection and reporting of any baseline information?                                                 |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 14. Could the application have any effect on wildlife or vegetation outside the current disturbed area?                                           |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 15. Does the application require or include soil removal, storage or placement?                                                                   |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 16. Does the application require or include vegetation monitoring, removal or revegetation activities?                                            |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 17. Does the application require or include construction, modification, or removal of surface facilities?                                         |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 18. Does the application require or include water monitoring, sediment or drainage control measures?                                              |
| <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | 19. Does the application require or include certified designs, maps or calculation?                                                               |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 20. Does the application require or include subsidence control or monitoring?                                                                     |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 21. Have reclamation costs for bonding been provided?                                                                                             |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 22. Does the application involve a perennial stream, a stream buffer zone or discharges to a stream?                                              |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 23. Does the application affect permits issued by other agencies or permits issued to other entities?                                             |

**Please attach four (4) review copies of the application. If the mine is on or adjacent to Forest Service land please submit five (5) copies, thank you.** (These numbers include a copy for the Price Field Office)

I hereby certify that I am a responsible official of the applicant and that the information contained in this application is true and correct to the best of my information and belief in all respects with the laws of Utah in reference to commitments, undertakings, and obligations, herein.

Jonathan M. Pachter  
Print Name

Jonathan M. Pachter 2/20/08  
Sign Name, Position, Date: General Manager, Environmental Services

Subscribed and sworn to before me this 20th day of February, 2008

Notary Public Janice L. Davis  
My commission Expires: June 23, 2008  
Attest: State of Pennsylvania } ss:  
County of Allegheny



**For Office Use Only:**

Assigned Tracking  
Number:

Received by Oil, Gas & Mining

**RECEIVED**

**FEB 25 2008**

DIV. OF OIL, GAS & MINING

## Form DOGM - C2 (Revised March 12, 2002)

**Deficiency List  
#2894  
4<sup>th</sup> East Facilities – Storage Area and Fence 2/08**

**R645-301-526**

The Permittee must include a narrative in the application that explains that Plate II-3 was updated to show the on the ground conditions. The permittee must also update any additional maps of the 4<sup>th</sup> East Portal area to show the as-built conditions. In addition, the Permittee must also remove the word *proposed* from the phase *proposed fence* since the Permittee will construct the fence. (WW)

*Refer to Plate II-3 for a narrative that explains the map update.  
The word proposed has been removed from Plate II-3.*

**R645-301-830.140**

The Permittee must include information about the reclamation cost estimate for the changes to the mine plan such as the addition of the sheds and fence. If the as-built survey shows that additional structures have been constructed then the Permittee must also include information about those costs. (WW)

*Please refer to CH IV, APP IV.b pages 18jj4, 18jj5 and total for updated reclamation costs.*

**R645-301-512, -521**

The Permittee must reconcile the approved Plate II-3 with the recently submitted Plate II-3. Upon review of the recently submitted Plate II-3, *4 East Portal Surface Facilities*, there are discrepancies with Plate II-3 within the approved MRP. For example, a "proposed berm" is depicted on the approved Plate II-3 approximately 15-18' west of Cowboy Mine Road No. 915. The newly submitted Plate II-3 depicts the berm approximately 25-30' west of Cowboy Mine Road No. 915. In addition, the cattle guards depicted at the northeast entrance to the facility on the approved Plate II-3 and the cattle guards depicted on the recently submitted Plate II-3 are different. (SC)

*The berm has been removed from Plate II-3. A berm was initially planned to be constructed to contain and direct affected surface runoff from the storage area to Pond 9. During topsoil removal, and widening of the road by the Emery County, it became apparent that a berm would not be required. The affected surface area drains naturally to map item #22 (18' culvert) and then to Pond #9. The cattle guards (map item 25) were depicted in their original design location, Plate II-3 has been revised to show their as-built location..*

**R645-301-742.231**

The Permittee must provide the Division with the design information (calculations and cross-section) for the berm depicted on the east side of the supply yard (#27 on Plate II-3). Per R645-301-742.231, the berm must be designed to contain the 10-year, 24-hour precipitation event. (SC)

*The berm has been removed from Plate II-3. A berm was initially planned to be constructed to contain and direct affected surface runoff from the storage area to Pond 9. During topsoil removal, and widening of the road by the Emery County, it became apparent that a berm would not be required. The affected surface area drains naturally to map item #22 (18' culvert) and then to Pond #9*



### **County Road - Cowboy Mine Road No. 915**

Map Code: identified on Plate II-3  
Status: Existing

This road is used by local farmers and the Live Earth operation.

### **Storage Area**

Map Code: identified on Plate II-3  
Status: existing - 4th quarter 2002

The ~~is~~ supply yard ~~s are is~~ located adjacent to the portal ramp inside the loop entrance road and near the entrance and contains parts and bulk supply items used on a continual basis for either the surface or the underground operation. The yard ~~s are is~~ used to store inventory parts, machinery, and bulk items in a consistent and easily accessible manner.

The supply yard ~~s are is~~ located within the proposed surface drainage control area and reports to sedimentation pond no. 9.

### **Airshaft**

Map Code: identified on Plate II-3  
Status: existing - 4th quarter 2002

The proposed airshaft will be located in the southwest portion of the disturbance area. The 16 ft diameter vertical shaft will be approximately 70 feet in depth. The airshaft and associated exhaust fan and housing is required to ventilate the underground mine workings.

### **Rock Dust Bin**

Map Code: identified on Plate II-3  
Status: existing - 4th quarter 2002

This structure is a supported steel bin 11 ft. in diameter and 38 ft. high. It is used for bulk storage and delivery of rock dust and has a capacity of 100 tons. Surface drainage from the bin area will report to sedimentation pond #9.

Inserted 10/2002  
Revised 9/2003  
Revised 2/08

### **Cattle Guard**

Map Code: Identified on Map II-3  
Status: Existing 4th quarter of 2003

Used to assist in collecting solids which may dislodge from truck tires under both overly wet and dry conditions. This collection sump makes it less likely for solids to be re-entrained.

### **Oil Storage**

Map Code: Identified on Map II-3  
Status: Proposed – 4<sup>th</sup> Quarter of 2006

This steel building, with a concrete floor, is used to store oil products out of the weather, thereby minimizing the potential for site contamination by the stored products.

### **Recessed Feeder**

Map Code: Identified on Map II-3  
Status: ~~Existing~~Proposed – 4<sup>th</sup> Quarter of 2006

This is a concrete wall placed around the feeder at the bottom of the 10,000 ton coal stockpile, used to funnel coal to the feeder.

### **Trash Pit**

Map Code: Identified on Map II-3  
Status: ~~Existing~~Proposed – 4<sup>th</sup> Quarter of 2006

The trash pit consists of a concrete floor with moveable concrete side barriers and is used as a temporary storage location for trash generated at the site.

### **Skid Mounted Sheds**

Map Code: Identified on Map II-3  
Status: Existing – 4<sup>th</sup> Quarter of 2007

The portable skid mounted sheds are used for tool storage, lunch rooms, and equipment storage.

Inserted 9/2003  
Revised 10/2006  
Revised 2/08

## Bonding Calculations

## Direct Costs

Subtotal Demolition and Removal	\$218,579.00
Subtotal Backfilling and Grading	\$843,656.00
Subtotal Revegetation	\$510,251.00
Direct Costs	\$1,572,486.00

## Indirect Costs

Mob/Demob	\$157,249.00	10.0%
Contingency	\$78,624.00	5.0%
Engineering Redesign	\$39,312.00	2.5%
Main Office Expense	\$106,929.00	6.8%
Project Mainagement Fee	\$39,312.00	2.5%
Subtotal Indirect Costs	\$421,426.00	26.8%

Total Cost	\$1,993,912.00
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Escalation factor	0.012
Number of years	5
Escalation	\$122,541.00

Reclamation Cost Escalated	\$2,116,453.00
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Bond Amount (rounded to nearest \$1,000) 2009 Dollars	\$2,116,000.00
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Bond Posted 2004 dollars	\$2,208,000.00
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Difference Between Cost Estimate and Bond	\$92,000.00
Percent Difference	4.35%

Ref	Description	Materials	Mean Reference Number	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Trickle Slacker Building 01																		19252
	Trickle Control Station 02																		377
	Trickle Transformer Bld 03																		377
	Steam Classifier Bld 04																		360
	Transducer, Storage Pad 05																		280
	Mine Sulfation 06																		5144
	Rock Dust Silo 07																		454
	Mine Fan Bld 08																		1086
	Comminution Tank 09																		1448
	Comminution Tank 10																		2920
	Fresh Water Treatment Bld 11																		44
	Explosive Storage Bld 12																		3880
	Bathhouse & Trailers 13																		1182
	Truck Scale Old 14																		1949
	Truck Scale New 15																		1007
	Bridge Outchupart Creek 16																		437
	Storage Pumphouse 17																		15078
	Storage Pumphouse 18																		2500
	Power Line 19																		190
	Metal Storage Bld 20																		655
	Storage Tank Containment Area 21																		838
	Water Tank 100000 Gallon 22																		816
	Shaker Oil Heater Enclosure 23																		3680
	HPDES Outfalls 24																		41760
	Stream Trenches 25																		20650
	Scale 26																		
	Scale 27																		
	4th East Portal																		10242
	Crusher Screen Building 28																		343
	Conveyor System 29																		928
	Radial Spreader 30																		4805
	Water Tank 31																		513
	Rock Dump Bld 32																		8606
	Coal Stockpile Feeder 34																		74
	Loadout 35																		6519
	Powerline 36																		8513
	Entrances 4th East 37																		25500
	Wind Fence 38																		1003
	Cattle Guard 39																		381
	Concrete Buildings 40																		1270
	Concrete Buildings 41																		1611
	Oil Storage Building																		2063
	Recessed Feeder																		202
	Trag: Pit																		603
	4th East Fence																		10523
	Steel mounted sheds																		7292
	<b>Total</b>																		<b>219578</b>



Ref.	Description	Materials	Means Reference Number	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swail Factor	Quantity	Unit	Cost
	4th East Fence																		
	4th East Fence																		
	Shovel's Weight (includes steel)																		
	Shovel's Weight (includes steel)																		
	Shovel's Weight (includes steel)																		
	Truck's Capacity																		
	Truck's Capacity																		
	Truck's Capacity																		
	Transportation Cost Non Steel Truck																		
	Transportation Cost Non Steel Truck																		
	Transportation Cost Non Steel Truck																		
	Disposal Cost Non Steel																		
	Disposal Cost Non Steel																		
	Disposal Cost Non Steel																		
	Shovel's Weight																		
	Shovel's Weight																		
	Shovel's Weight																		
	Truck's Capacity																		
	Truck's Capacity																		
	Truck's Capacity																		
	Transportation Cost Steel Truck																		
	Transportation Cost Steel Truck Drive																		
	Transportation Cost Steel Truck Drive																		
	Disposal Cost Steel																		
	Disposal Cost Steel																		
	Disposal Cost Steel																		
	Subtotal																		
	4th East Fence																		
	4th East Fence																		
	4th East Fence																		
	Supply Yard Fence																		
	Supply Yard Fence																		
	Supply Yard Fence																		
	Loading Costs																		
	Loading Costs																		
	Transport Costs																		
	Transport Costs																		
	Transport Costs																		
	Subtotal																		
	Concrete Demolition																		
	Concrete Demolition																		
	Concrete Demolition																		
	Demolition Cost																		
	Demolition Cost																		
	Demolition Cost																		
	Concrete Xpl Demolition																		
	Concrete Xpl Demolition																		
	Concrete Xpl Demolition																		
	Transportation Cost																		
	Transportation Cost																		
	Transportation Cost																		
	Disposal Costs																		
	Disposal Costs																		
	Disposal Costs																		
	Subtotal																		
	Concrete Demolition																		
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	Demolition Cost																		
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	Demolition Cost																		
	Concrete Xpl Demolition																		
	Concrete Xpl Demolition																		
	Concrete Xpl Demolition																		
	Transportation Cost																		
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	Disposal Costs																		
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	Disposal Costs																		
	Subtotal																		
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	Concrete Xpl Demolition																		
	Transportation Cost																		
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	Transportation Cost																		
	Disposal Costs																		
	Disposal Costs																		
	Disposal Costs																		
	Subtotal																		
	Total																		10523

[illegible]